# Yash Akhauri

GitHub | LinkedIn | akhauri.yash@gmail.com | +91 78915 12802

## EDUCATION

**BITS PILANI** | B.E. in Electronics and Instrumentation
Aug 2016 - May 2020 | RJ, India
Fluent: Python3, PyTorch, Mathematica
Familiar: C++, Java, CUDA, OpenMP, Tensorflow, Android Studio, LibGDX, Docker

## EXPERIENCE

**INTEL** | Research Scientist                                May 2020 - Present, Bangalore, India

**XILINX RESEARCH** | Visiting Scholar                        Aug 2019 - May 2020, Dublin, Ireland

**URANIOM** | Research Intern                                 Jan 2019 - Jul 2019, France (Remote)

**WOLFRAM** | Undergraduate Researcher                        June 2018 - July 2018, Massachusetts

## RESEARCH

### PAPERS

LogicNets: Co-Designed Neural Networks and Circuits for Extreme-Throughput Applications
[IEEE [1]] Yash Akhauri*, Yaman Umuroglu*, Nicholas J. Fraser, Michaela Blott          *FPL'20* | Sweden | Sept 2020

High-Throughput DNN Inference with LogicNets
[IEEE [1]] Yaman Umuroglu, Yash Akhauri, Nicholas J. Fraser, Michaela Blott          *FCCM'20* | AR, USA | May 2020

HadaNets: Flexible Quantization Strategies for Neural Networks
[IEEE] Yash Akhauri                                          *CVPR'19 Workshop* | CA, USA | Jun 2019

Exposing Hardware Building Blocks to Machine Learning Frameworks
[ArXiv -- Bachelor's Thesis] Yash Akhauri                                          Dec 2019

### TALKS

Wolfram Technology Conference
Speaker                                                     Champaign, IL | Oct. 2018

Intel AI Meetup
Speaker                                                     Delhi, IN | Sept. 2018

Intel AI DevCon
Poster                                  San Francisco, Bangalore | May & Aug 2018

### GRANTS

Intel Nervana Early Innovators Grant                                          $5000

Intel CVPR Travel Grant                                                       $3000

Wolfram Student Aid                                                           $2400

KVPY Scholar

INSPIRE Scholarship

---

[1]To be published
[1]To be published